

Curriculum Knowledge Organiser

Year Four, Science: Animals and Living Things —Knowledge

Year Four, Science: Animals and Living Things —Skills



How alike are humans and animals?

Science: know the parts of the digestive system

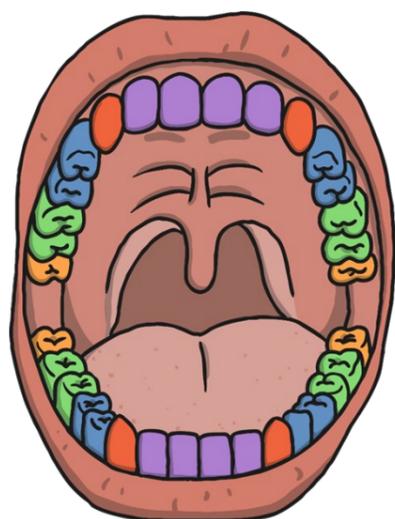
Science: know what each part of the digestive system does

Science: know the types and functions of teeth

Science: know and describe what a food chain is

Science: sort living things into groups using criteria

Digestive System — The digestive system allows



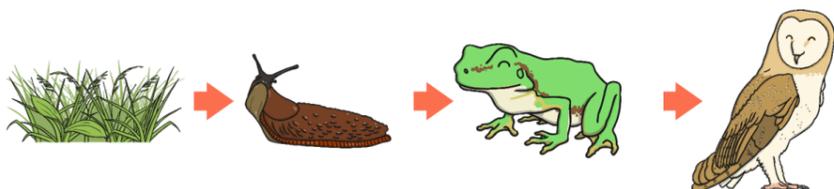
Teeth

- Canine
- Molars
- Premolars
- Incisors
- Wisdom Teeth

Body Part	Function
Mouth	Food enters the digestive system in the mouth. Saliva starts to break down your food and your teeth make your food smaller so it can move through your body more easily.
Oesophagus	The oesophagus is a strong muscular tube that moves food to your stomach.
Stomach	Food is broken down in the stomach by enzymes.
Intestines	The large intestine separates off waste products that your body doesn't need. The small intestine absorbs what is needed and move the rest through your body.

Food Chain

A food chain uses arrows to show what animal or plant is eaten by another animal. It normally contains a producer, prey, consumer and predator.



Life Processes Sensitivity
MRS GREN
 Movement
 Respiration Growth



Skills	Teaching Strategies
Identify and name the key parts of the digestive system.	Learn the different names of parts of the digestive system— be able to name mouth, oesophagus, stomach, intestines. Create an image of the digestive system by placing organs in the correct part of the body.
Identify and describe what each part of the digestive system does.	Match the parts of the digestive systems to their functions. Create an interactive body with the digestive system labelled.
Identify and name the function of different teeth.	Know the key teeth names—canine, molar, premolars, incisors, wisdom teeth. Label different teeth with their different functions.
Construct and interpret a food chain understanding what each part of the chain is.	Watch informative video about food chains. Know and use the terms producer, predator and prey. Create a food chain pyramid.
Name the life processes that humans and plants all do (using the acronym MrsGren). Know how to group animals based on similar characteristics.	Use a Carroll diagram to compare animals and plants based on their characteristics.

Previous Learning (this should be checked at start of topic)

- Identify, name, draw and label the basic parts of the human body (year 1)
- Identify and name a variety of common animals (year 1)
- Sort and classify things to whether they are living, dead or were never alive (year 2)
- Focus on good oral hygiene (year 2)
- Identify groups with and without skeletons and main body parts associated with the skeleton, muscles and their function.

Subsequent Learning

- Key individuals and their impact on their environment (year 5)
- Describe the changes as humans develop to old age (year 5)
- Classify animals into groups of observable characteristics
- Research animals and plants and their habitats

Outdoor Learning

- Observing animals and plants that represent a food chain
- Group plants and animals based on similarities.

Relevant Texts

- Charlotte's Web by E.B. White
- Science in Infographics: Living Things by Jon Richards